

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S139	28	("5554940" "5735411" "5796170" "5858816" "6043109" "6049129" "6197613" "6204562" "6277669" "6372619" "6433427" "6536653" "6727519" "6806560").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 17:40
S140	27	bond with wire with directly with connected with (Bump ball C4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:04
S141	41	bond with wire with direct\$3 with attach\$3 with (Bump ball C4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:08
S142	1	2004-755858.NRAN.	DERWENT	OR	ON	2006/02/22 19:08
S143	2	"6812125".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:11
S144	9	("5434452" "5592025" "5637176" "5866949" "5891795" "5900676" "6268650" "6326555" "6573458").PN. OR ("6812125").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:09
S145	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:11
S146	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:12
S147	9	("5735411" "5554940" "6043109" "6197613" "6204562" "6277669" "6372619" "6433427" "6536653").pn.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:12
S148	2	("6372619").URPN.	USPAT	OR	ON	2006/02/22 19:12
S149	135	bump with wire with pad with package and "257"/\$.ccls.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:12

EAST Search History

S15 0	15	("4356374" "5252850" "5258648" "5468681" "5705858" "5814894" "5844304" "5849606" "5859407" "5886971" "5973337" "6300235" "6303977").PN. OR ("6753208"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 1	1	"6365439".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 2	28	("4246595" "5148265" "5148266" "5258330" "5346861" "5347159" "5398863" "5448114" "5602059" "5648682" "5668405" "5679977" "5682061" "5685885" "5686757" "5706174" "5757078" "5777387" "5777391" "5789820" "5801446" "5895965" "5990545" "6078097" "6107678").PN. OR ("6365439"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 3	5	("6287893" "6300234" "6429532" "6501169").PN. OR ("6713870"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 4	71	("4462534" "5024372" "5220200" "5261593" "5293067" "5346861" "5388327" "5455390" "5504277" "5539153" "5541450" "5547740" "5564617" "5604379" "5608262" "5701032" "5736456" "5777391" "5814894").PN. OR ("6287893"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 5	5	("5397921" "5409865" "5646828" "6163458" "6287893").PN. OR ("6650015").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 6	7	redistribution near2 line with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 7	151	redistribution with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S15 8	1571	(257/734).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 19:12
S15 9	325	(ball bump C4 flip) with (wire wiring) and S158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:12

EAST Search History

S16 0	14	("20010006258" "20030001288" "20030006496" "20030197271" "5998860" "6013948" "6020629" "6093969" "6180881" "6294825" "6331453" "6448640" "6507107" "6583502").PN. OR ("6836007"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 1	1	"6563217".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 2	73	("3460010" "3538397" "3769105" "3772097" "4164751" "4266282" "4317686" "4349862" "4423431" "4427989" "4477736" "4493056" "4567542" "4577214" "4604639" "4605980" "4641425" "4649418" "4654690" "4656605" "4691304" "4720737" "4725924" "4731645" "4737830" "4748495" "4777518" "4780846" "4992850" "4996587" "5012323" "5016138" "5032892" "5045921" "5107328" "5128831" "5137836" "5182632" "5239198" "5255156" "5266821" "5280192" "5280193" "5307309" "5322207" "5323060" "5367435" "5399898" "5422435" "5434745" "5438216" "5465470" "5477067" "5477082" "5480840" "5483024" "5495398" "5502289" "5535101" "5739585" "5920118" "6013948" "6025648" "6054753" "6057601" "6075284" "6097098").PN. OR ("6563217"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 3	7	("5397921" "5541450" "5729050" "5819398" "5825084" "5834839" "5895973").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 4	211	("4505799" "4649418" "4725924" "4731645" "4829666" "4931853" "4992849" "4992850" "5048179" "5063177" "5138434" "5155067" "5191511" "5239198" "5326428" "5419807" "5422514" "5468999" "5474957" "5578869").PN. OR ("5739585").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12

EAST Search History

S16 5	43	("5021300" "5248895" "5300812" "5352851" "5359768" "5442231" "5559369" "5650593" "5661086" "5677566" "5723907" "5726079" "5739585" "5817535" "5857767" "5972736" "5985697" "5990550" "5998241" "5998860" "5998865" "5999415" "6008074" "6020637" "6048755" "6107683" "6122171" "6198162" "6214641" "6215180" "6225695" "6249041" "6255140" "6271586" "6284571" "6300165" "6326687" "6343019" "6461894" "6498052" "6507114" "6518098" "6528890").PN. OR ("6856013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 6	63	("5523622" "5572405" "5598321" "5705851" "5719440" "5724232" "5729432" "5793118" "5818698" "5854507" "5866953" "5903052" "5936305" "5959356").PN. OR ("6122171").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 7	20	("4996587" "5159434" "5428247" "5674785" "5677566" "5864470" "5894107" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 8	32	("5159434" "5428247" "5864470" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN. OR ("6445077"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S16 9	5	("5248903" "5367195" "5442239" "5502337" "5736791").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S17 0	53	("3179913" "3370203" "3459998" "3904934" "4288841" "4502098" "4574331" "4646128" "4727410" "4823233" "4833568" "4862249" "4868712" "4953005" "5016138" "5019945" "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12
S17 1	53	("3179913" "3370203" "3459998" "3904934" "4288841" "4502098" "4574331" "4646128" "4727410" "4823233" "4833568" "4862249" "4868712" "4953005" "5016138" "5019945" "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:12

EAST Search History

S17 2	16	(US-20050017372-\$ or US-20030168734-\$ or US-20040004283-\$).did. or (US-6372619-\$ or US-6713870-\$ or US-5455390-\$ or US-5739585-\$ or US-6773965-\$ or US-6387729-\$ or US-6372552-\$ or US-6365833-\$ or US-6268650-\$ or US-6049129-\$ or US-6856013-\$ or US-6507114-\$ or US-6855575-\$ or US-6683795-\$ or US-6445077-\$ or US-6252298-\$ or US-6700190-\$ or US-6856028-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 3	16	(US-20030168734-\$ or US-20040004283-\$ or US-20050017372-\$).did. or (US-5455390-\$ or US-5739585-\$ or US-6049129-\$ or US-6252298-\$ or US-6268650-\$ or US-6365833-\$ or US-6372552-\$ or US-6372619-\$ or US-6387729-\$ or US-6445077-\$ or US-6507114-\$ or US-6683795-\$ or US-6700190-\$ or US-6713870-\$ or US-6773965-\$ or US-6855575-\$ or US-6856013-\$ or US-6856028-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 4	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 5	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 6	350	circuit adj board with (column via) with diameter	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S17 7	210	circuit adj board with (column via) with diameter	USPAT	OR	ON	2006/02/22 19:13
S17 8	161	fr-4 with comprise	USPAT	OR	ON	2006/02/22 19:13
S17 9	1	"6,201,707".pn.	USPAT	OR	ON	2006/02/22 19:13
S18 0	3	PCB with microvias with copper	USPAT	OR	ON	2006/02/22 19:13
S18 1	4	PCB with vias with filled with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 2	4	PCB with vias with f with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 3	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S18 4	39	S183 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S18 5	733	circuit with board with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13

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S18 6	199	S185 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S18 7	187	S186 not S184	USPAT	OR	ON	2006/02/22 19:13
S18 8	8	("5976912" "6048755" "6049129" "6111306" "6144102" "6252298" "6429372" "6455354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S18 9	20	("4996587" "5159434" "5428247" "5674785" "5677566" "5864470" "5894107" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 0	4	("5216278" "5640047" "5866949" "6013946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 1	7	("5289631" "5290710" "5525545" "5541525" "5806181" "5888837" "6072322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 2	14	("5523622" "5572405" "5598321" "5705851" "5719440" "5724232" "5729432" "5793118" "5818698" "5854507" "5866953" "5903052" "5936305" "5959356").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 3	59	("5285352" "5430331" "5442234" "5528458" "5541450" "5583377" "5583378" "5633783" "5640047" "5710695" "5717252" "5760465").PN. OR ("5903052"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S19 4	104	("20010045644" "20020053731" "20020072214" "20020096767" "20020098617" "20020180040" "20030138613" "3790866" "4611238" "5045921" "5065281" "5173766" "5208504" "5216278" "5285352" "5291062" "5294826" "5366589" "5394009" "5397917" "5397921" "5409865" "5433631" "5438216" "5474957" "5490324" "5534467" "5541450" "5552635" "5572405" "5578869" "5583377" "5583378" "5642261" "5648679" "5650659" "5691567" "5717252" "5736785" "5796170" "5798909" "5801432" "5835355" "5843808" "5844168" "5856911" "5866949" "5883430" "5889324" "5894410" "5901041" "5903052" "5905633" "5907903" "5920117" "5949137" "5953589" "5972734" "5977626" "5986340" "5986885" "5998241" "5999415" "6002147" "6002169" "6011304" "6011694" "6020637" "6028358" "6057601" "6060777" "6069407" "6077724" "6084297" "6084777" "6114761" "6117797" "6122171" "6133064" "6140707" "6160705" "6162659" "6163458" "6166434" "6184580" "6212070" "6242279" "6246111" "6288444" "6313521" "6347037" "6362525" "6369455" "6380623" "6462274" "6472741" "6525942" "6528892" "6541832" "6545351" "6552266" "6552428" "6563712" "6583516"). PN. OR ("6853070").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 5	12	("5397917" "5583378" "5724230" "5726493" "5796038" "5854511" "5866943" "5886408" "5909056" "5926371" "6020637" "6046499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 6	18	("5877552" "5977626").PN. OR ("6163458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 7	58	("4954877" "5371404").PN. OR ("5796170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 8	48	("4563725" "4591659" "4993148" "5191511" "5291062" "5297006" "5355283" "5409865" "5434750" "5473814" "5477082").PN. OR ("5572405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S19 9	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

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S20 0	267	S199 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S20 1	2	("5796170" "6806560").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S20 2	3	("5796170" "6806560" "20050017372").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S20 3	2	("4954877" "5371404").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 4	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 5	15	("4786545" "5055321" "5278429" "5473512" "5519251" "5756380" "5816478" "5834832" "5872399" "5925403" "6197615" "6286207" "6288451" "6323542" "6344753").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 6	1	("6049129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 7	27	gold with bump with PCB	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 8	134	gold near2 bump with circuit near2 board	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S20 9	78	gold near2 bump with circuit near2 board	USPAT; USOCR	OR	ON	2006/02/22 19:13
S21 5	2	"20050017372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:13
S21 6	1571	(257/734).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47
S21 7	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S21 8	0	circuit adj board with (column via) with diameter with ".mu.m."	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S21 9	4	PCB with vias with f with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S22 0	733	circuit with board with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13

EAST Search History

S22 1	199	S220 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S22 2	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 4	203	(bayat with ali).xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:13
S22 6	1	"6365439".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 7	1	"6563217".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S22 8	1	"6,201,707".pn.	USPAT	OR	ON	2006/02/22 19:13
S22 9	1	("6049129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 0	9	("5735411" "5554940" "6043109" "6197613" "6204562" "6277669" "6372619" "6433427" "6536653"). pn.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:13
S23 1	2	("6372619").URPN.	USPAT	OR	ON	2006/02/22 19:13
S23 2	15	("4356374" "5252850" "5258648" "5468681" "5705858" "5814894" "5844304" "5849606" "5859407" "5886971" "5973337" "6300235" "6303977").PN. OR ("6753208"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 3	28	("4246595" "5148265" "5148266" "5258330" "5346861" "5347159" "5398863" "5448114" "5602059" "5648682" "5668405" "5679977" "5682061" "5685885" "5686757" "5706174" "5757078" "5777387" "5777391" "5789820" "5801446" "5895965" "5990545" "6078097" "6107678").PN. OR ("6365439"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 4	5	("6287893" "6300234" "6429532" "6501169").PN. OR ("6713870"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S23 5	71	("4462534" "5024372" "5220200" "5261593" "5293067" "5346861" "5388327" "5455390" "5504277" "5539153" "5541450" "5547740" "5564617" "5604379" "5608262" "5701032" "5736456" "5777391" "5814894").PN. OR ("6287893"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 6	5	("5397921" "5409865" "5646828" "6163458" "6287893").PN. OR ("6650015").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 7	7	redistribution near2 line with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 8	14	("20010006258" "20030001288" "20030006496" "20030197271" "5998860" "6013948" "6020629" "6093969" "6180881" "6294825" "6331453" "6448640" "6507107" "6583502").PN. OR ("6836007"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S23 9	73	("3460010" "3538397" "3769105" "3772097" "4164751" "4266282" "4317686" "4349862" "4423431" "4427989" "4477736" "4493056" "4567542" "4577214" "4604639" "4605980" "4641425" "4649418" "4654690" "4656605" "4691304" "4720737" "4725924" "4731645" "4737830" "4748495" "4777518" "4780846" "4992850" "4996587" "5012323" "5016138" "5032892" "5045921" "5107328" "5128831" "5137836" "5182632" "5239198" "5255156" "5266821" "5280192" "5280193" "5307309" "5322207" "5323060" "5367435" "5399898" "5422435" "5434745" "5438216" "5465470" "5477067" "5477082" "5480840" "5483024" "5495398" "5502289" "5535101" "5739585" "5920118" "6013948" "6025648" "6054753" "6057601" "6075284" "6097098").PN. OR ("6563217"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 0	7	("5397921" "5541450" "5729050" "5819398" "5825084" "5834839" "5895973").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S24 1	43	("5021300" "5248895" "5300812" "5352851" "5359768" "5442231" "5559369" "5650593" "5661086" "5677566" "5723907" "5726079" "5739585" "5817535" "5857767" "5972736" "5985697" "5990550" "5998241" "5998860" "5998865" "5999415" "6008074" "6020637" "6048755" "6107683" "6122171" "6198162" "6214641" "6215180" "6225695" "6249041" "6255140" "6271586" "6284571" "6300165" "6326687" "6343019" "6461894" "6498052" "6507114" "6518098" "6528890").PN. OR ("6856013"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 2	63	("5523622" "5572405" "5598321" "5705851" "5719440" "5724232" "5729432" "5793118" "5818698" "5854507" "5866953" "5903052" "5936305" "5959356").PN. OR ("6122171").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 3	20	("4996587" "5159434" "5428247" "5674785" "5677566" "5864470" "5894107" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 4	32	("5159434" "5428247" "5864470" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN. OR ("6445077"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 5	5	("5248903" "5367195" "5442239" "5502337" "5736791").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 6	53	("3179913" "3370203" "3459998" "3904934" "4288841" "4502098" "4574331" "4646128" "4727410" "4823233" "4833568" "4862249" "4868712" "4953005" "5016138" "5019945" "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S24 7	53	("3179913" "3370203" "3459998" "3904934" "4288841" "4502098" "4574331" "4646128" "4727410" "4823233" "4833568" "4862249" "4868712" "4953005" "5016138" "5019945" "5739585").PN. OR ("6049129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S24 8	16	(US-20050017372-\$ or US-20030168734-\$ or US-20040004283-\$).did. or (US-6372619-\$ or US-6713870-\$ or US-5455390-\$ or US-5739585-\$ or US-6773965-\$ or US-6387729-\$ or US-6372552-\$ or US-6365833-\$ or US-6268650-\$ or US-6049129-\$ or US-6856013-\$ or US-6507114-\$ or US-6855575-\$ or US-6683795-\$ or US-6445077-\$ or US-6252298-\$ or US-6700190-\$ or US-6856028-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S24 9	16	(US-20030168734-\$ or US-20040004283-\$ or US-20050017372-\$).did. or (US-5455390-\$ or US-5739585-\$ or US-6049129-\$ or US-6252298-\$ or US-6268650-\$ or US-6365833-\$ or US-6372552-\$ or US-6372619-\$ or US-6387729-\$ or US-6445077-\$ or US-6507114-\$ or US-6683795-\$ or US-6700190-\$ or US-6713870-\$ or US-6773965-\$ or US-6855575-\$ or US-6856013-\$ or US-6856028-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S25 0	3	PCB with microvias with copper	USPAT	OR	ON	2006/02/22 19:13
S25 1	4	PCB with vias with filled with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S25 2	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S25 3	39	S252 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:13
S25 4	8	("5976912" "6048755" "6049129" "6111306" "6144102" "6252298" "6429372" "6455354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 5	20	("4996587" "5159434" "5428247" "5674785" "5677566" "5864470" "5894107" "5986346" "5999413" "6013946" "6060768" "6104089" "6122171" "6218202" "6221682" "6252298" "6265768" "6271586" "6291884" "6331451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 6	4	("5216278" "5640047" "5866949" "6013946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 7	7	("5289631" "5290710" "5525545" "5541525" "5806181" "5888837" "6072322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S25 8	14	("5523622" "5572405" "5598321" "5705851" "5719440" "5724232" "5729432" "5793118" "5818698" "5854507" "5866953" "5903052" "5936305" "5959356").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S25 9	59	("5285352" "5430331" "5442234" "5528458" "5541450" "5583377" "5583378" "5633783" "5640047" "5710695" "5717252" "5760465").PN. OR ("5903052"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 0	12	("5397917" "5583378" "5724230" "5726493" "5796038" "5854511" "5866943" "5886408" "5909056" "5926371" "6020637" "6046499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 1	18	("5877552" "5977626").PN. OR ("6163458").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 2	58	("4954877" "5371404").PN. OR ("5796170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 3	48	("4563725" "4591659" "4993148" "5191511" "5291062" "5297006" "5355283" "5409865" "5434750" "5473814" "5477082").PN. OR ("5572405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 4	2	("5796170" "6806560").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S26 5	3	("5796170" "6806560" "20050017372").pn.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:13
S26 6	2	("4954877" "5371404").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 7	15	("4786545" "5055321" "5278429" "5473512" "5519251" "5756380" "5816478" "5834832" "5872399" "5925403" "6197615" "6286207" "6288451" "6323542" "6344753").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 8	27	gold with bump with PCB	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S26 9	78	gold near2 bump with circuit near2 board	USPAT; USOCR	OR	ON	2006/02/22 19:13
S27 1	135	bump with wire with pad with package and "257"/\$.ccls.	USPAT; IBM_TDB	OR	ON	2006/02/22 19:13
S27 2	151	redistribution with (bump solder near1 ball ball C4 flip) with (wire wiring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13

EAST Search History

S27 3	211	("4505799" "4649418" "4725924" "4731645" "4829666" "4931853" "4992849" "4992850" "5048179" "5063177" "5138434" "5155067" "5191511" "5239198" "5326428" "5419807" "5422514" "5468999" "5474957" "5578869").PN. OR ("5739585").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S27 4	161	fr-4 with comprise	USPAT	OR	ON	2006/02/22 19:13
S27 5	162	PCB with vias with (copper aluminum tungsten silver gold)	USPAT	OR	ON	2006/02/22 19:13
S27 6	187	S221 not S253	USPAT	OR	ON	2006/02/22 19:13
S27 7	104	("20010045644" "20020053731" "20020072214" "20020096767" "20020098617" "20020180040" "20030138613" "3790866" "4611238" "5045921" "5065281" "5173766" "5208504" "5216278" "5285352" "5291062" "5294826" "5366589" "5394009" "5397917" "5397921" "5409865" "5433631" "5438216" "5474957" "5490324" "5534467" "5541450" "5552635" "5572405" "5578869" "5583377" "5583378" "5642261" "5648679" "5650659" "5691567" "5717252" "5736785" "5796170" "5798909" "5801432" "5835355" "5843808" "5844168" "5856911" "5866949" "5883430" "5889324" "5894410" "5901041" "5903052" "5905633" "5907903" "5920117" "5949137" "5953589" "5972734" "5977626" "5986340" "5986885" "5998241" "5999415" "6002147" "6002169" "6011304" "6011694" "6020637" "6028358" "6057601" "6060777" "6069407" "6077724" "6084297" "6084777" "6114761" "6117797" "6122171" "6133064" "6140707" "6160705" "6162659" "6163458" "6166434" "6184580" "6212070" "6242279" "6246111" "6288444" "6313521" "6347037" "6362525" "6369455" "6380623" "6462274" "6472741" "6525942" "6528892" "6541832" "6545351" "6552266" "6552428" "6563712" "6583516").PN. OR ("6853070").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S27 8	134	gold near2 bump with circuit near2 board	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:13
S28 0	210	circuit adj board with (column via) with diameter	USPAT	OR	ON	2006/02/22 19:13

EAST Search History

S28 1	267	S222 and "257"/\$.ccls.	USPAT	OR	ON	2006/02/22 19:14
S28 2	325	(ball bump C4 flip) with (wire wiring) and S216	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:14
S28 3	350	circuit adj board with (column via) with diameter	US-PGPUB; USPAT	OR	ON	2006/02/22 19:14
S28 4	630	package with substrate with underfill	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:14
S28 5	11616	bond\$3 near2 wir\$3 with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:49
S28 6	847	bond\$3 near2 wir\$3 with direct\$3 with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:35
S28 7	368	bond\$3 near2 wir\$3 with direct\$3 with (attach\$3 or connect\$3) with (ball bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:39
S28 8	26	("20010041384" "20030089523" "20030090000" "5273938" "5300362" "5751068" "6000603" "6215179" "6294100" "6429043" "6498099" "6624008" "6638790").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 19:39
S28 9	8	("4530896" "4945634" "4977441" "5684328" "5696032" "5990545" "6199273" "6258632").PN. OR ("6624008").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 19:59

EAST Search History

S29 0	49	("20010013643" "20020027630" "20020068417" "20020195697" "20030013643" "20030032217" "20030038356" "20030038374" "20030178710" "20030189259" "20040222509" "20050077605" "20050104183" "20050224959" "4184043" "5037779" "5056215" "5220200" "5251806" "5296738" "5323060" "5331235" "5536362" "5934545" "6005778" "6023217" "6049370" "6051886" "6063688" "6071371" "6080264" "6097097" "6212767" "6287895" "6316289" "6351028" "6424033" "6472758" "6521480" "6531784" "6534345" "6534391" "6552416" "6593662" "6630365" "6630730" "6657290" "6682954" "6930396").PN.	US-PGPUB; USPAT	OR	ON	2006/02/22 19:59
S29 1	52	("3851221" "4103318" "4361261" "4444349" "4586642" "4730232" "4763188" "4982265" "5012323" "5025306" "5040052" "5140404" "5168368" "5172215" "5176311" "5177032" "5291060" "5291061" "5323060" "5334875" "5384689" "5432729" "5495398" "5498901" "5502289" "5620928" "5682062" "5714405" "5715147" "5721452" "5739581" "5804874" "5815372" "5872025" "5886412" "5989982" "6005778" "6013948" "6030855" "6033931" "6051886" "6057598" "RE36613").PN. OR ("6531784").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 20:03
S29 2	2740	(257/778).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 3	1403	(257/780).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47
S29 4	3767	(257/787).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:47

EAST Search History

S29 5	1858	(257/738).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 6	800	(257/782).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/22 20:48
S29 7	0	anisitropical\$3 with S292	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:48
S29 8	73	S292 and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:48
S29 9	24	S292 and (bond\$3 near2 wir\$3 with (ball bump)) and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:49
S30 0	9	S293 and (bond\$3 near2 wir\$3 with (ball bump)) and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 1	13	S294 and (bond\$3 near2 wir\$3 with (ball bump)) and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 2	20	S295 and (bond\$3 near2 wir\$3 with (ball bump)) and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:50
S30 3	5	S296 and (bond\$3 near2 wir\$3 with (ball bump)) and anisotropica\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:56

EAST Search History

S30 4	93	S298 S299 S300 S301 S302 S303	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 20:51
S30 5	26	((bond\$3 or wir\$3) and (ball bump) and anisotropica\$6).clm.	US-PGPUB	OR	ON	2006/02/22 20:58